

FIG. 2

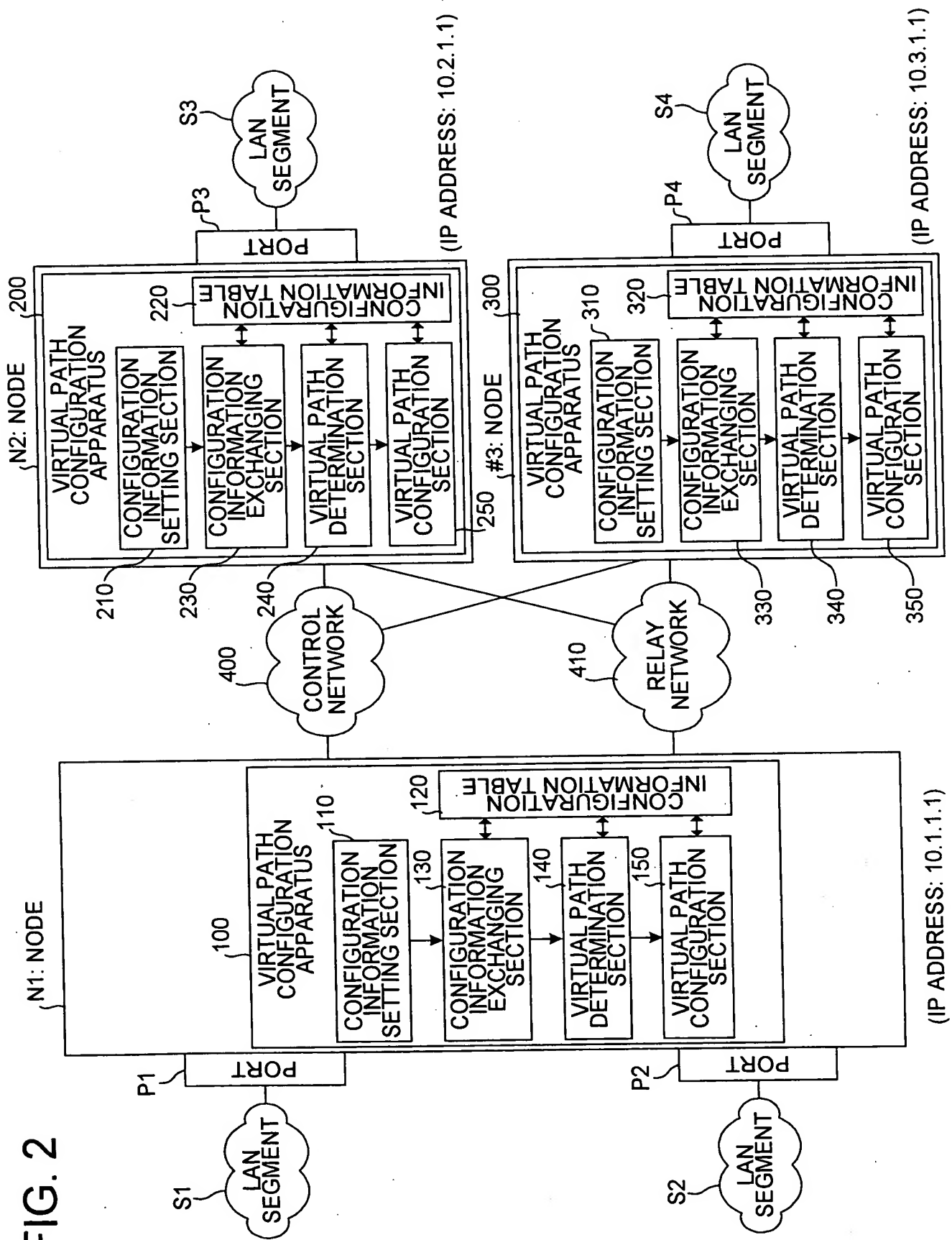


FIG. 3

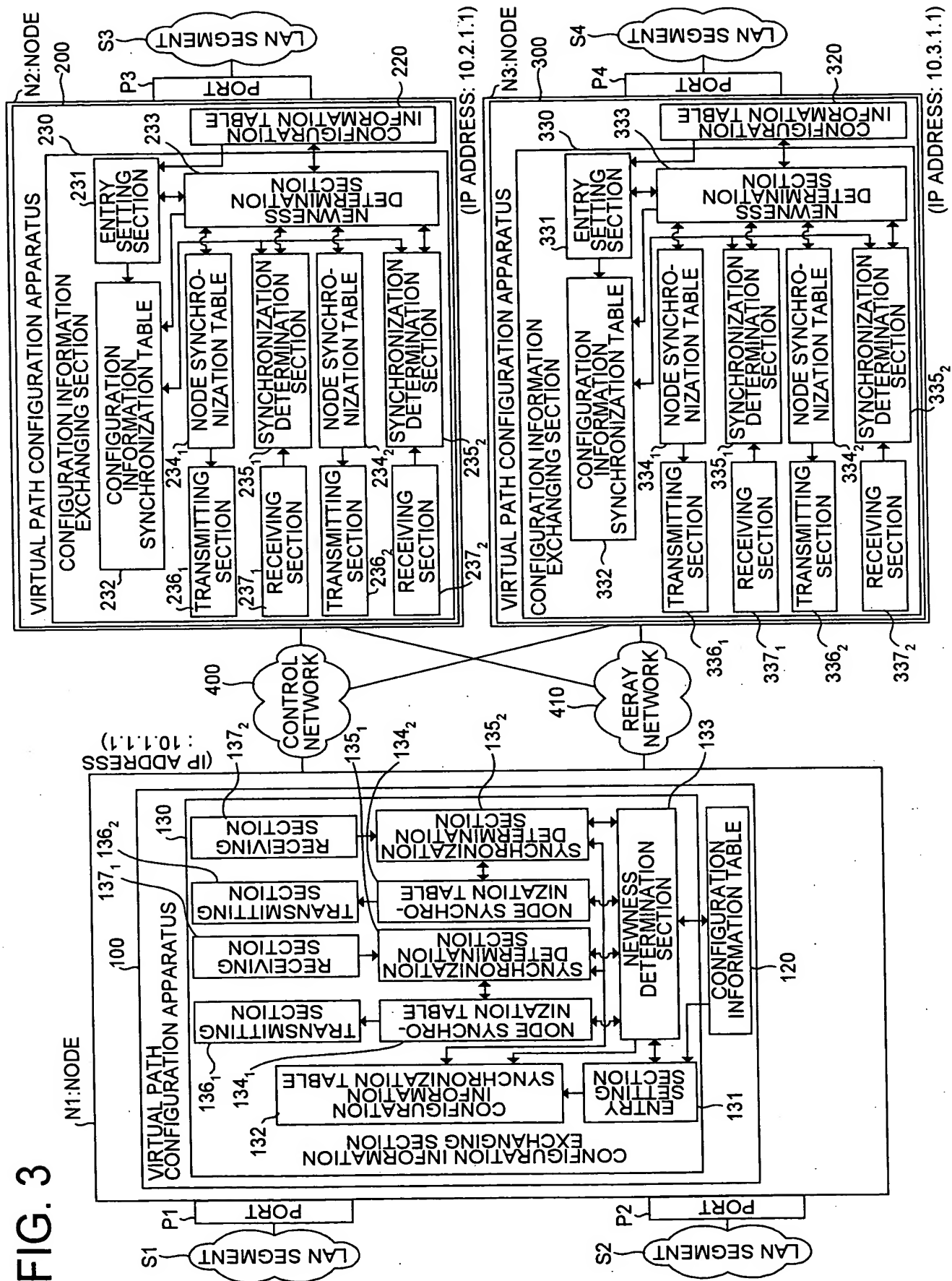


FIG.4

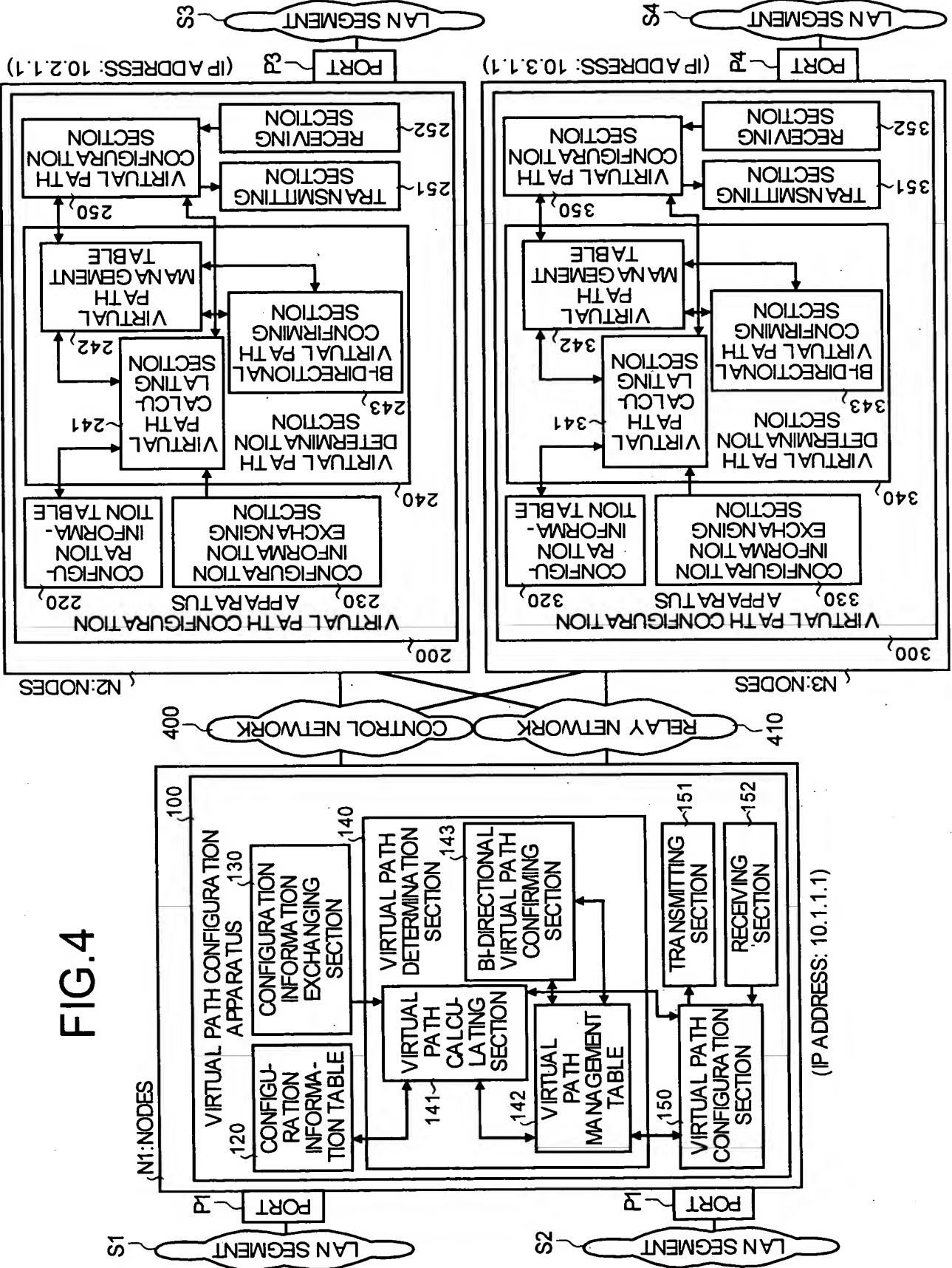


FIG. 5

120: CONFIGURATION INFORMATION TABLE

NODE	PORT
N1(10. 1. 1. 1)	P1
N1(10. 1. 1. 1)	P2
N2(10. 2. 1. 1)	P3

(a)



121: CONFIGURATION INFORMATION

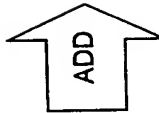
N3(10. 3. 1. 1)	P4
-----------------	----

(d)

220: CONFIGURATION INFORMATION TABLE

NODE	PORT
N1(10. 1. 1. 1)	P1
N1(10. 1. 1. 1)	P2
N2(10. 2. 1. 1)	P3

(b)



221: CONFIGURATION INFORMATION

N3(10. 3. 1. 1)	P4
-----------------	----

(e)

320: CONFIGURATION INFORMATION TABLE

NODE	PORT
UNSET	UNSET

(c)

320: CONFIGURATION INFORMATION TABLE

NODE	PORT
N1(10. 1. 1. 1)	P1
N1(10. 1. 1. 1)	P2
N2(10. 2. 1. 1)	P3
N3(10. 3. 1. 1)	P4

(i)

321: CONFIGURATION INFORMATION

N1(10. 1. 1. 1)	P1
N1(10. 1. 1. 1)	P2
N2(10. 2. 1. 1)	P3
N3(10. 3. 1. 1)	P4

(f)

120: CONFIGURATION INFORMATION TABLE

NODE	PORT
N1(10. 1. 1. 1)	P1
N1(10. 1. 1. 1)	P2
N2(10. 2. 1. 1)	P3
N3(10. 3. 1. 1)	P4

(g)

220: CONFIGURATION INFORMATION TABLE

NODE	PORT
N1(10. 1. 1. 1)	P1
N1(10. 1. 1. 1)	P2
N2(10. 2. 1. 1)	P3
N3(10. 3. 1. 1)	P4

(h)

FIG. 6

132: CONFIGURATION INFORMATION SYNCHRONIZATION TABLE

NODE	PORT	ADDITION/DELETION FLAG	SYNCHRONIZATION FLAG
N1(10. 1. 1. 1)	P1	1	0
N1(10. 1. 1. 1)	P2	1	0
N2(10. 2. 1. 1)	P3	1	0

1: ADD 1: SYNCHRONIZED
0: DELETE 0: ASYNCHRONOUS

1341: NODE SYNCHRONIZATION TABLE
(CORRESPONDING TO NODE N2)

NODE	PORT	ADDITION/DELETION FLAG	SYNCHRONIZATION FLAG
N1(10. 1. 1. 1)	P1	1	0
N1(10. 1. 1. 1)	P2	1	0
N2(10. 2. 1. 1)	P3	1	0

1342: NODE SYNCHRONIZATION TABLE
(CORRESPONDING TO NODE N3)

NODE	PORT	ADDITION/DELETION FLAG	SYNCHRONIZATION FLAG
UNSET	UNSET	UNSET	UNSET

FIG. 7

132: CONFIGURATION INFORMATION SYNCHRONIZATION TABLE

NODE	PORT	ADDITION/DELETION FLAG	SYNCHRONIZATION FLAG
N1(10. 1. 1. 1)	P1	1	1
N1(10. 1. 1. 1)	P2	1	1
N2(10. 2. 1. 1)	P3	1	1
N3(10. 3. 1. 1)	P4	1	0

ADD

1: ADD 1: SYNCHRONIZED
0: DELETE 0: ASYNCHRONOUS

134₁: NODE SYNCHRONIZATION TABLE
(CORRESPONDING TO NODE N2)

NODE	PORT	ADDITION/DELETION FLAG	SYNCHRONIZATION FLAG
N1(10. 1. 1. 1)	P1	1	0
N1(10. 1. 1. 1)	P2	1	0
N2(10. 2. 1. 1)	P3	1	0
N3(10. 3. 1. 1)	P4	1	0

134₂: NODE SYNCHRONIZATION TABLE
(CORRESPONDING TO NODE N3)

NODE	PORT	ADDITION/DELETION FLAG	SYNCHRONIZATION FLAG
N1(10. 1. 1. 1)	P1	1	0
N1(10. 1. 1. 1)	P2	1	0
N2(10. 2. 1. 1)	P3	1	0
N3(10. 3. 1. 1)	P4	1	0

FIG. 8

142

142R

RECEPTION VIRTUAL PATH	STARTING POINT NODE	STARTING POINT PORT	END POINT NODE	END POINT PORT	USABLE FLAG
#11	N1(10.1.1.1)	P1	N1(10.1.1.1)	P1	
#21	N1(10.1.1.1)	P2	N1(10.1.1.1)	P1	
#31	N2(10.2.1.1)	P3	N1(10.1.1.1)	P1	
#41	N3(10.3.1.1)	P4	N1(10.1.1.1)	P1	
#12	N1(10.1.1.1)	P1	N1(10.1.1.1)	P2	
#22	N1(10.1.1.1)	P2	N1(10.1.1.1)	P2	
#32	N2(10.2.1.1)	P3	N1(10.1.1.1)	P2	
#42	N3(10.3.1.1)	P4	N1(10.1.1.1)	P2	

142S

STARTING POINT NODE	STARTING POINT PORT	END POINT NODE	END POINT PORT	TRANSMISSION VIRTUAL PATH	USABLE FLAG
N1(10.1.1.1)	P1	N1(10.1.1.1)	P1	#11	
N1(10.1.1.1)	P1	N1(10.1.1.1)	P2	#12	
N1(10.1.1.1)	P1	N2(10.2.1.1)	P3	#13	
N1(10.1.1.1)	P1	N3(10.3.1.1)	P4	#14	
N1(10.1.1.1)	P2	N1(10.1.1.1)	P1	#21	
N1(10.1.1.1)	P2	N1(10.1.1.1)	P2	#22	
N1(10.1.1.1)	P2	N2(10.2.1.1)	P3	#23	
N1(10.1.1.1)	P2	N3(10.3.1.1)	P4	#24	

FIG. 9

242

242R

RECEPTION VIRTUAL PATH IDENTIFIER	STARTING POINT NODE	STARTING POINT PORT	END POINT NODE	END POINT PORT	USABLE FLAG
#13	N1(10.1.1.1)	P1	N2(10.2.1.1)	P3	
#23	N1(10.1.1.1)	P2	N2(10.2.1.1)	P3	
#33	N2(10.2.1.1)	P3	N2(10.2.1.1)	P3	
#43	N3(10.3.1.1)	P4	N2(10.2.1.1)	P3	

9/33

242S

STARTING POINT NODE	STARTING POINT PORT	END POINT NODE	END POINT PORT IDENTIFIER	TRANSMISSION VIRTUAL PATH IDENTIFIER	USABLE FLAG
N2(10.2.1.1)	P3	N1(10.1.1.1)	P1	#31	
N2(10.2.1.1)	P3	N1(10.1.1.1)	P2	#32	
N2(10.2.1.1)	P3	N2(10.2.1.1)	P3	#33	
N2(10.2.1.1)	P3	N2(10.3.1.1)	P4	#34	

FIG. 10

342

342R

RECEPTION VIRTUAL PATH IDENTIFIER	STARTING POINT NODE	STARTING POINT PORT	END POINT NODE	END POINT PORT	USABLE FLAG
#14	N1(10.1.1.1)	N1	N3(10.3.1.1)	P4	
#24	N1(10.1.1.1)	Bport#2	N3(10.3.1.1)	P4	
#34	N2(10.2.1.1)	Bport#3	N3(10.3.1.1)	P4	
#44	N3(10.3.1.1)	Bport#4	N3(10.3.1.1)	P4	

342S

STARTING POINT NODE	STARTING POINT PORT	END POINT NODE	END POINT PORT	TRANSMISSION VIRTUAL PATH IDENTIFIER	USABLE FLAG
N3(10.3.1.1)	P4	N1(10.1.1.1)	P1	#41	
N3(10.3.1.1)	P4	N1(10.1.1.1)	P2	#42	
N3(10.3.1.1)	P4	N2(10.2.1.1)	P3	#43	
N3(10.3.1.1)	P4	N3(10.3.1.1)	P4	#44	

FIG.11

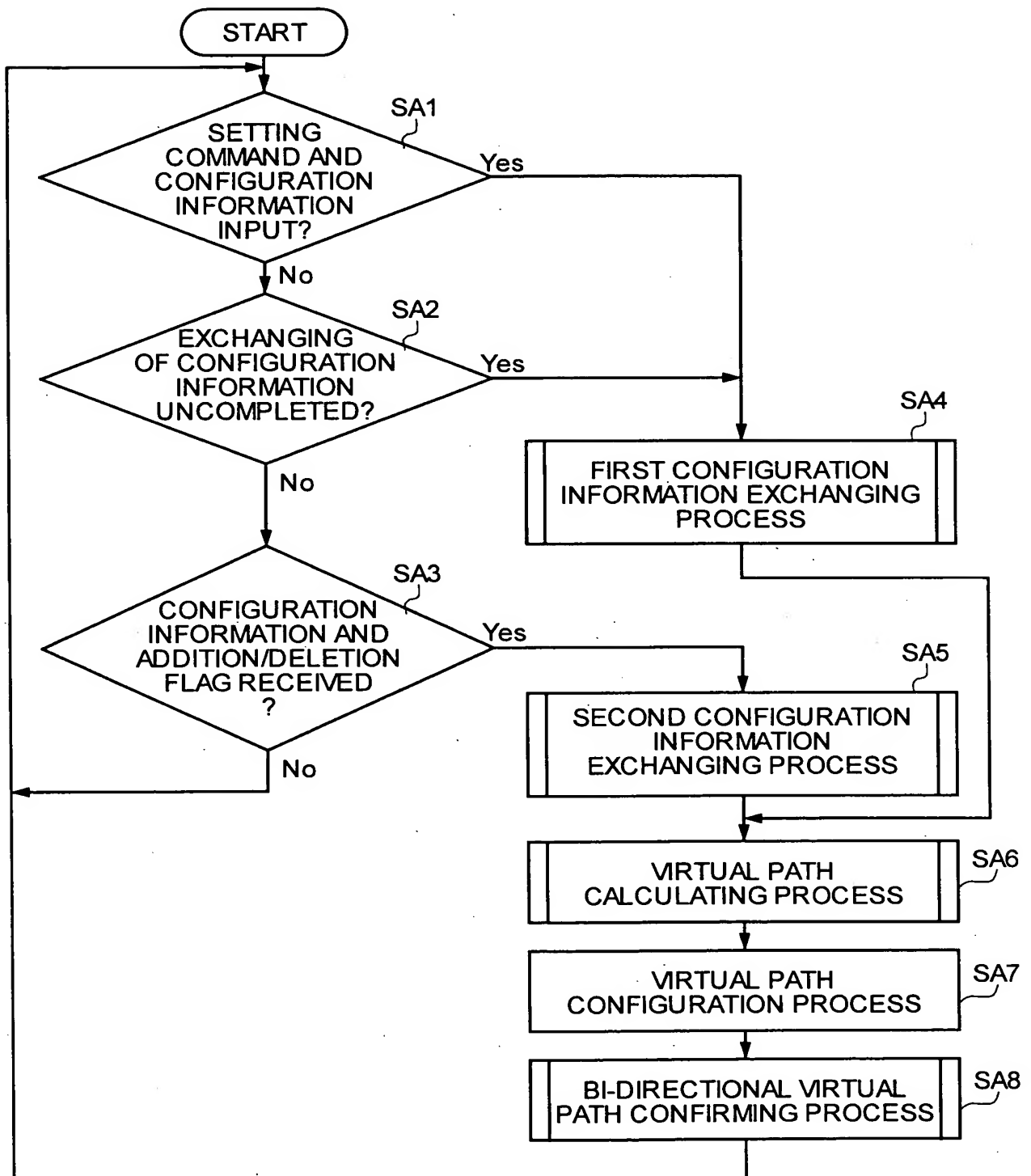


FIG.12

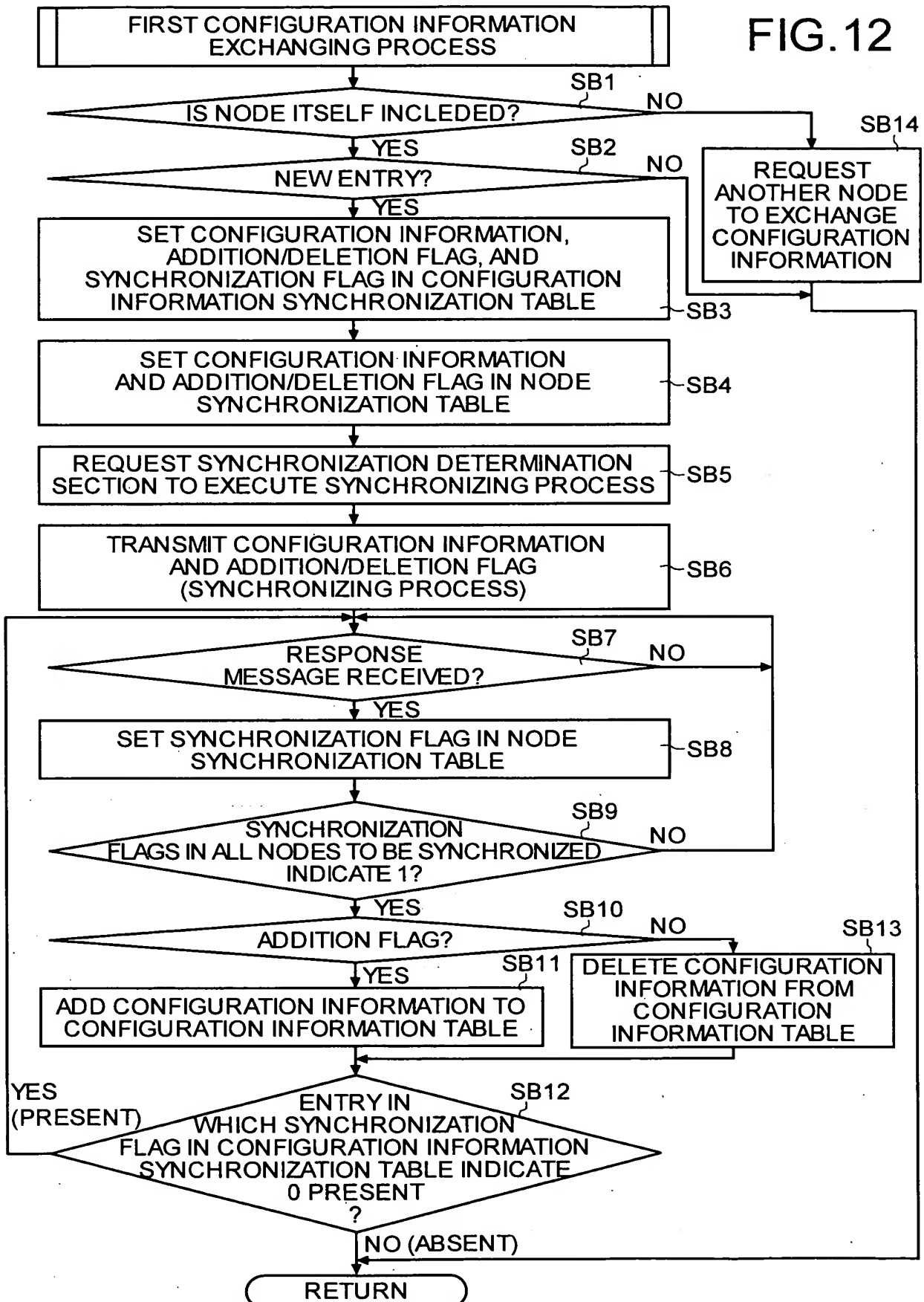


FIG.13

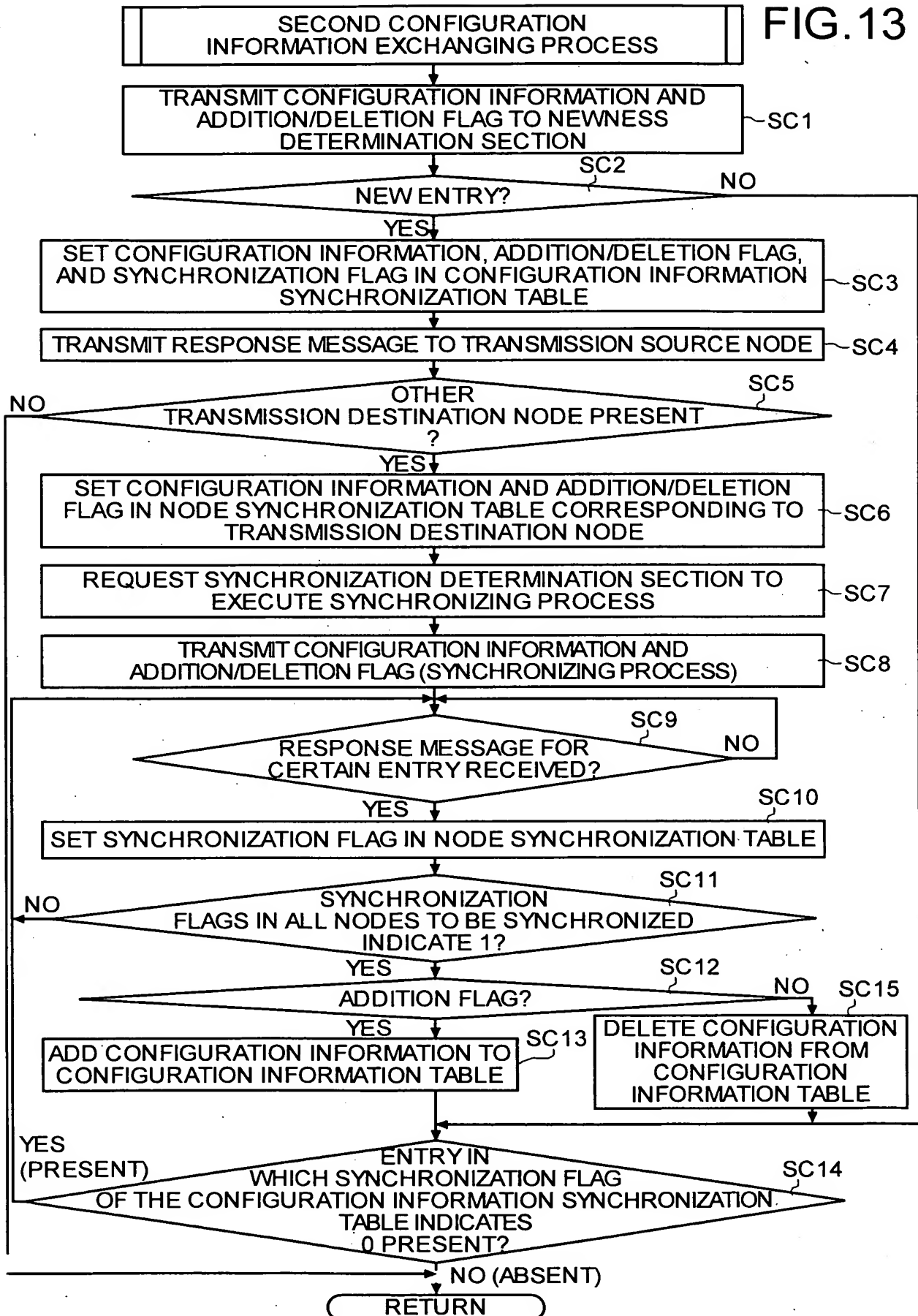


FIG.14

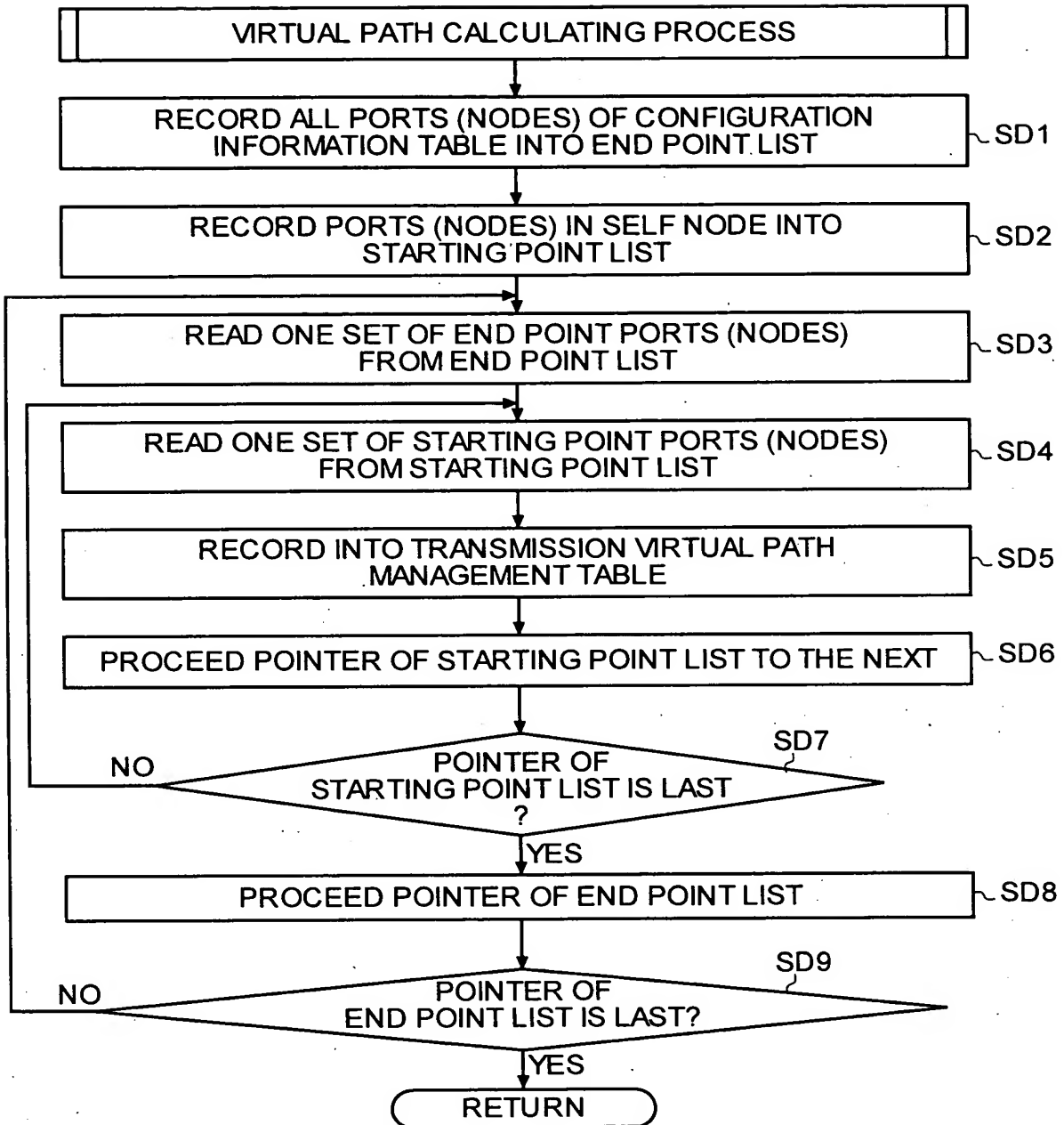
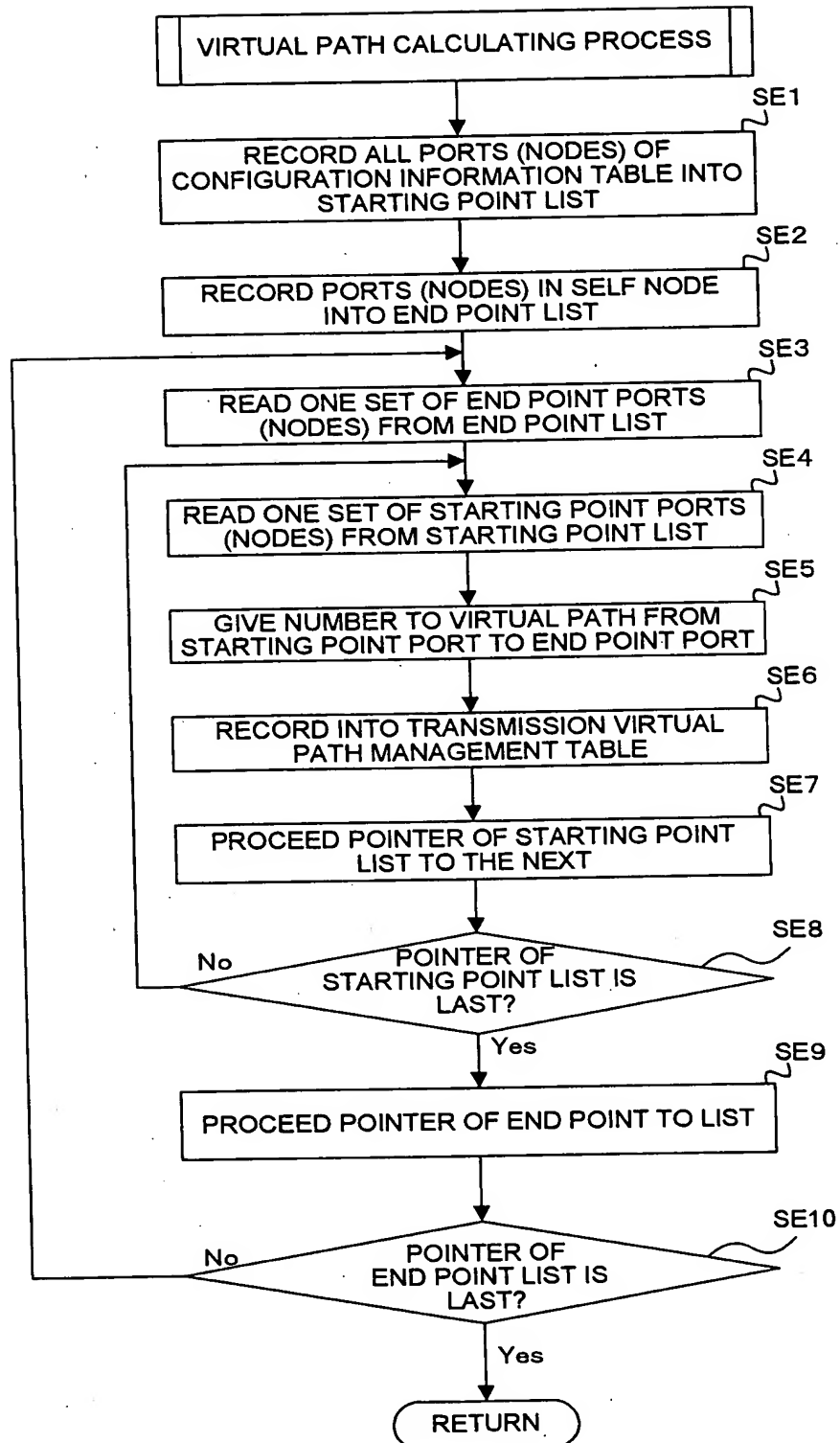


FIG.15



16/33

FIG.16

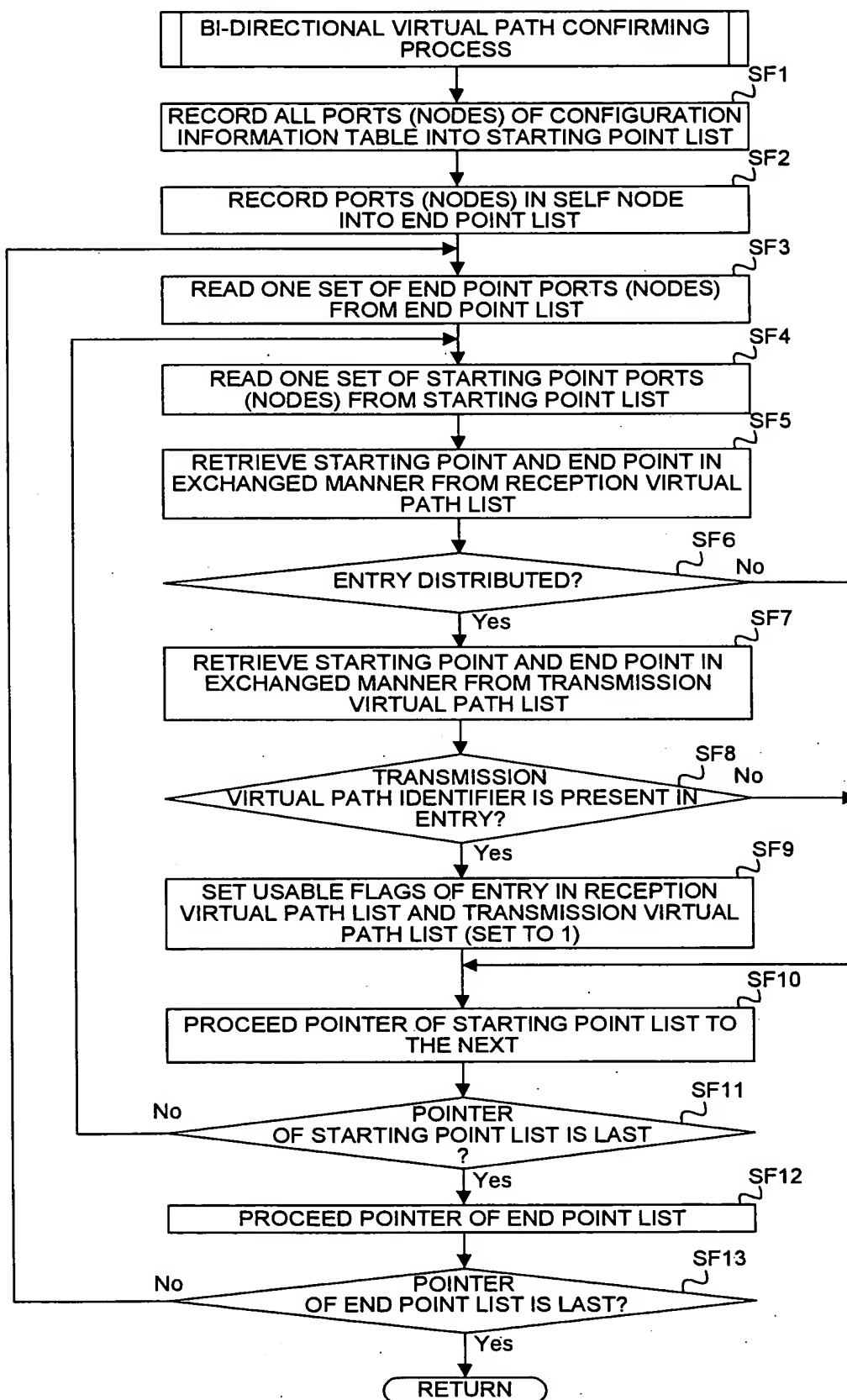


FIG. 17

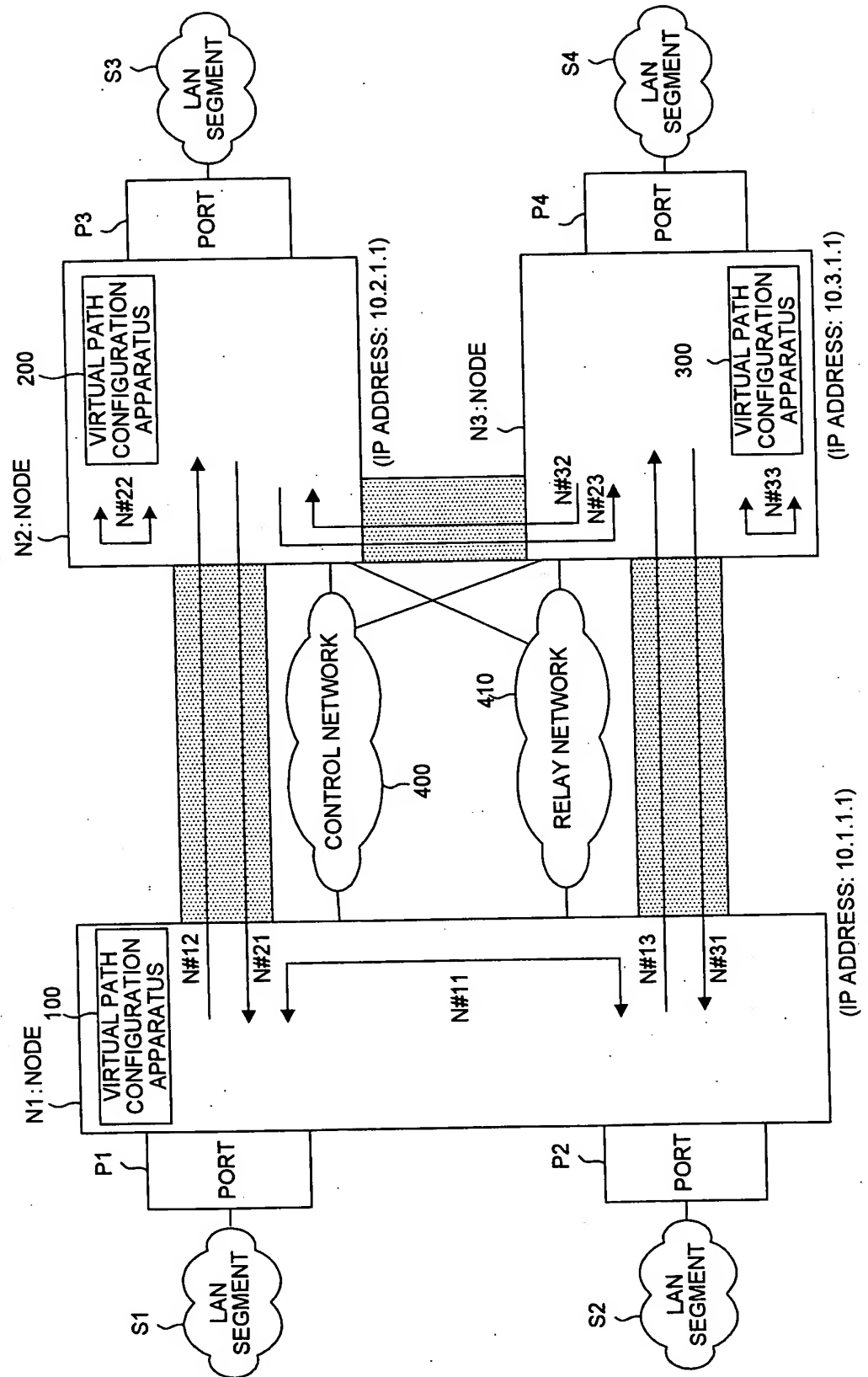


FIG.18A

120': CONFIGURATION INFORMATION TABLE

NODE
N1(10.1.1.1)
N1(10.1.1.1)
N2(10.2.1.1)
N3(10.3.1.1)

FIG.18B

220': CONFIGURATION INFORMATION TABLE

NODE
N1(10.1.1.1)
N1(10.1.1.1)
N2(10.2.1.1)
N3(10.3.1.1)

FIG.18C

320': CONFIGURATION INFORMATION TABLE

NODE
N1(10.1.1.1)
N1(10.1.1.1)
N2(10.2.1.1)
N3(10.3.1.1)

FIG.19

142'

142R'

RECEPTION VIRTUAL PATH	STARTING POINT NODE	END POINT NODE
N#11	N1(10.1.1.1)	N1(10.1.1.1)
N#21	N2(10.2.1.1)	N1(10.1.1.1)
N#31	N3(10.3.1.1)	N1(10.1.1.1)

142S'

STARTING POINT NODE	END POINT NODE	TRANSMISSION VIRTUAL PATH
N1(10.1.1.1)	N1(10.1.1.1)	N#11
N1(10.1.1.1)	N2(10.2.1.1)	N#12
N1(10.1.1.1)	N3(10.3.1.1)	N#13

FIG.20

242'

242R'

RECEPTION VIRTUAL PATH	STARTING POINT NODE	END POINT NODE
N#12	N1(10.1.1.1)	N2(10.2.1.1)
N#22	N2(10.2.1.1)	N2(10.2.1.1)
N#32	N3(10.3.1.1)	N2(10.2.1.1)

242S'

STARTING POINT NODE	END POINT NODE	TRANSMISSION VIRTUAL PATH
N2(10.2.1.1)	N1(10.1.1.1)	N#21
N2(10.2.1.1)	N2(10.2.1.1)	N#22
N2(10.2.1.1)	N3(10.3.1.1)	N#23

FIG.21

342'



342R'

S

RECEPTION VIRTUAL PATH	STARTING POINT NODE	END POINT NODE
N#13	N1(10.1.1.1)	N3(10.3.1.1)
N#23	N2(10.2.1.1)	N3(10.3.1.1)
N#33	N3(10.3.1.1)	N3(10.3.1.1)

342S'

S

STARTING POINT NODE	END POINT NODE	TRANSMISSION VIRTUAL PATH
N3(10.3.1.1)	N1(10.1.1.1)	N#31
N3(10.3.1.1)	N2(10.2.1.1)	N#32
N3(10.3.1.1)	N3(10.3.1.1)	N#33

FIG.22

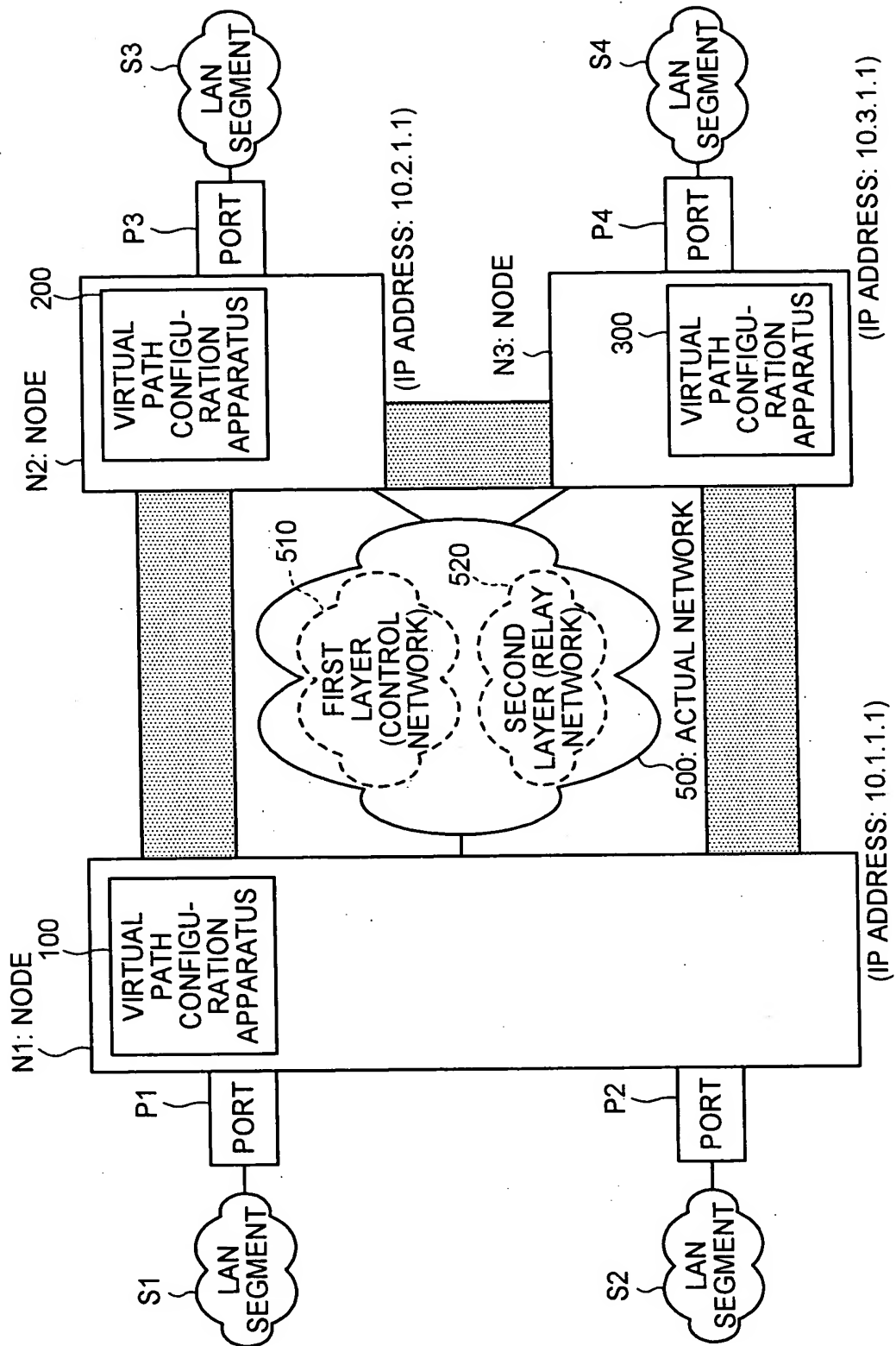


FIG.23

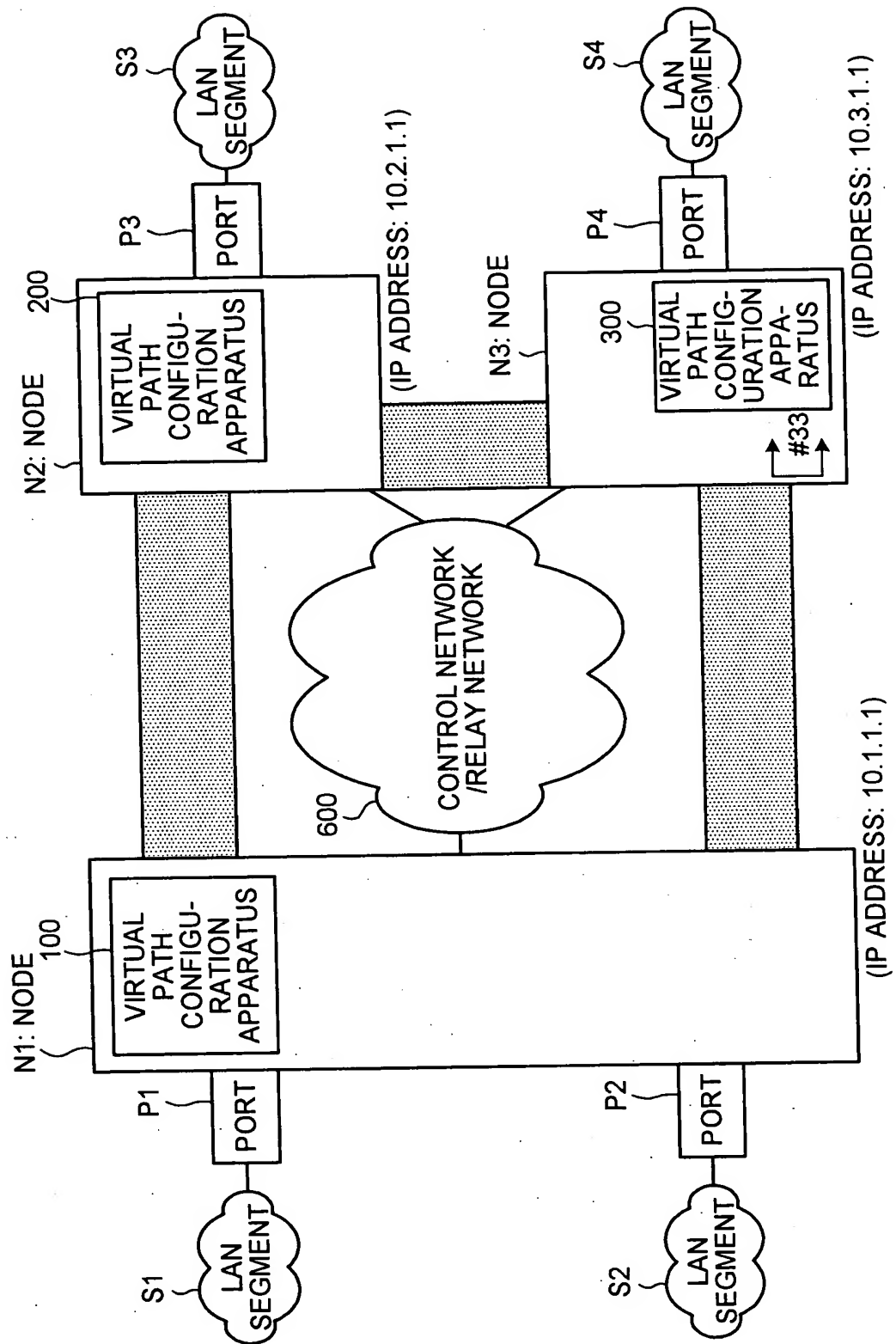


FIG. 24

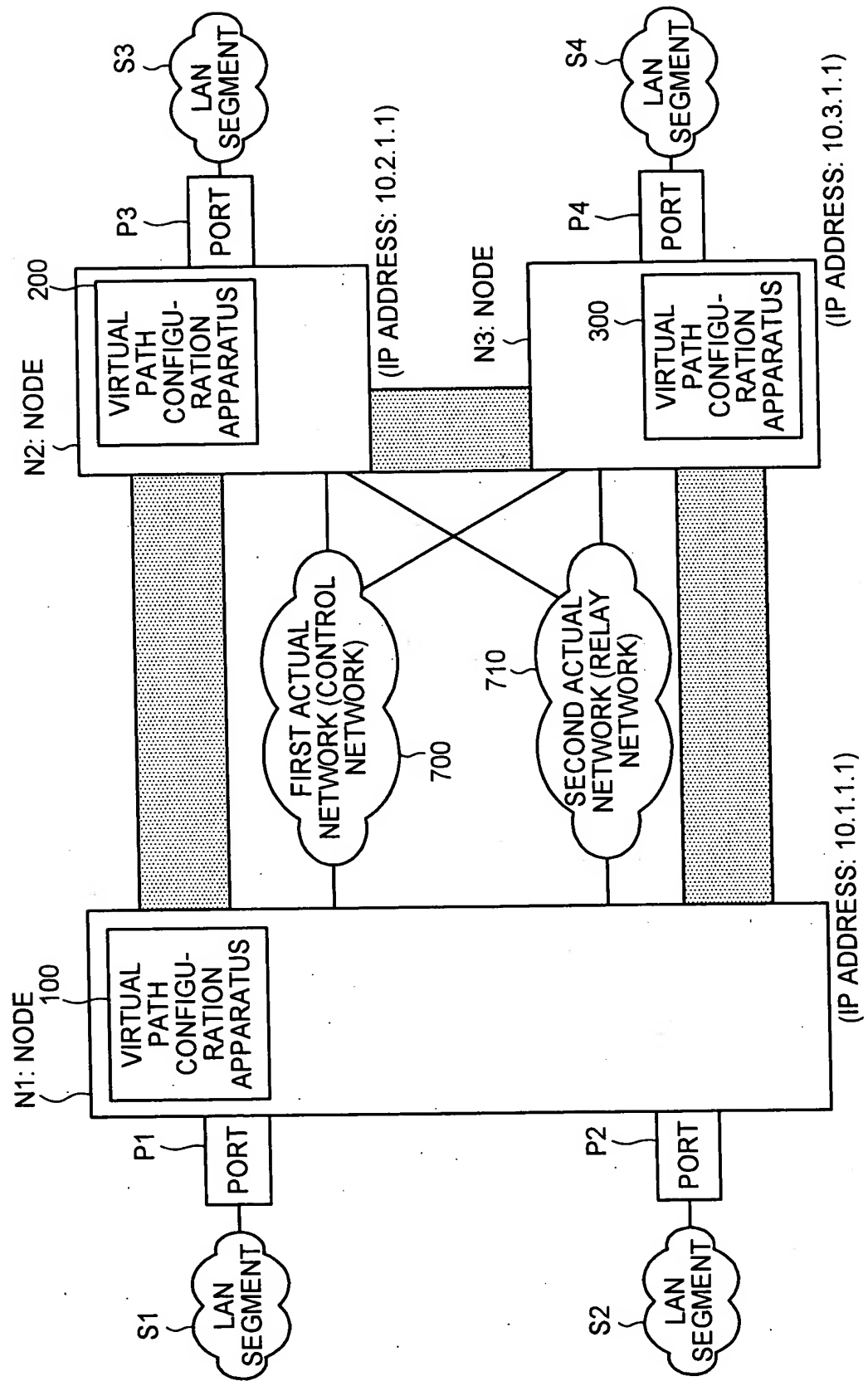


FIG. 25

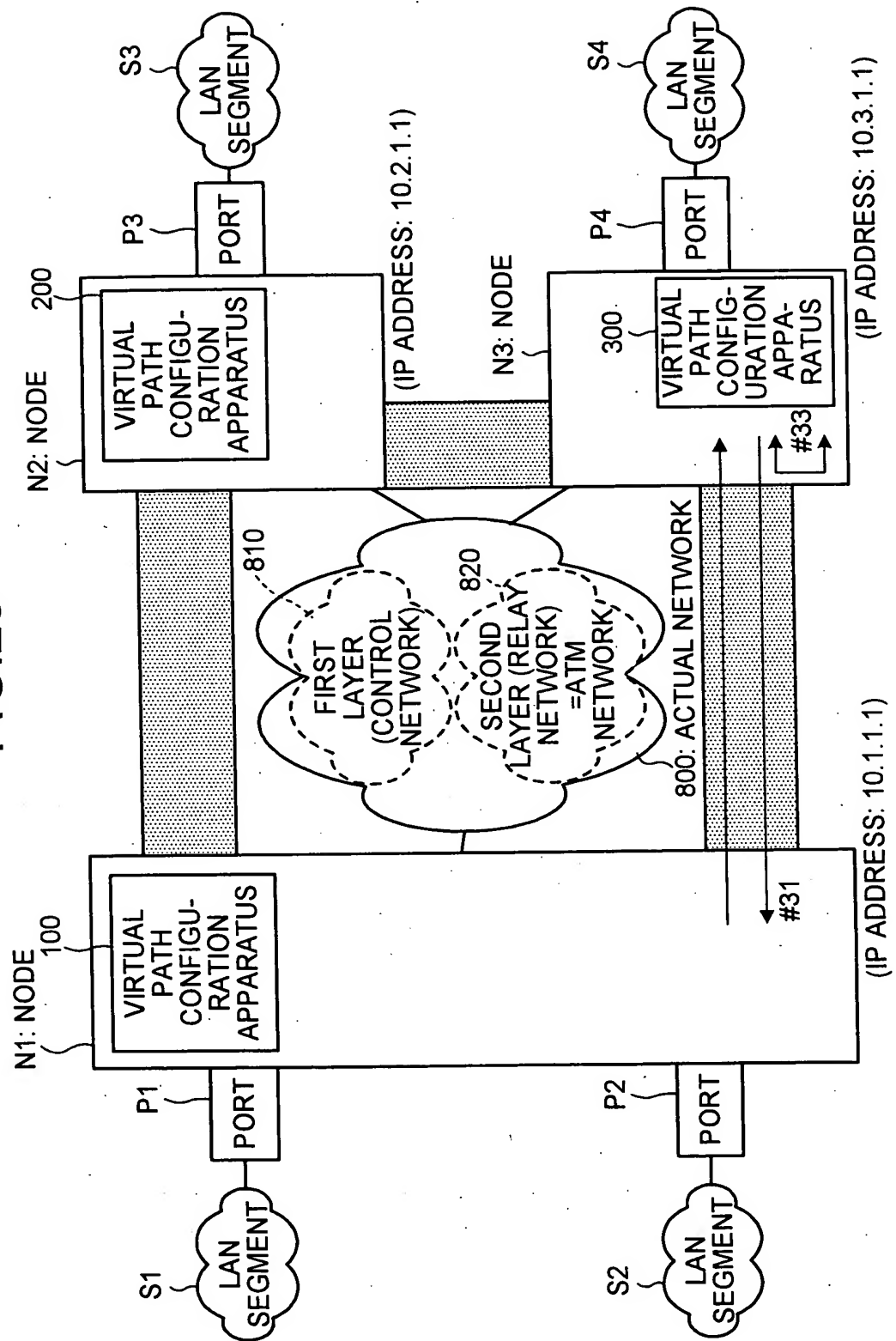


FIG. 26

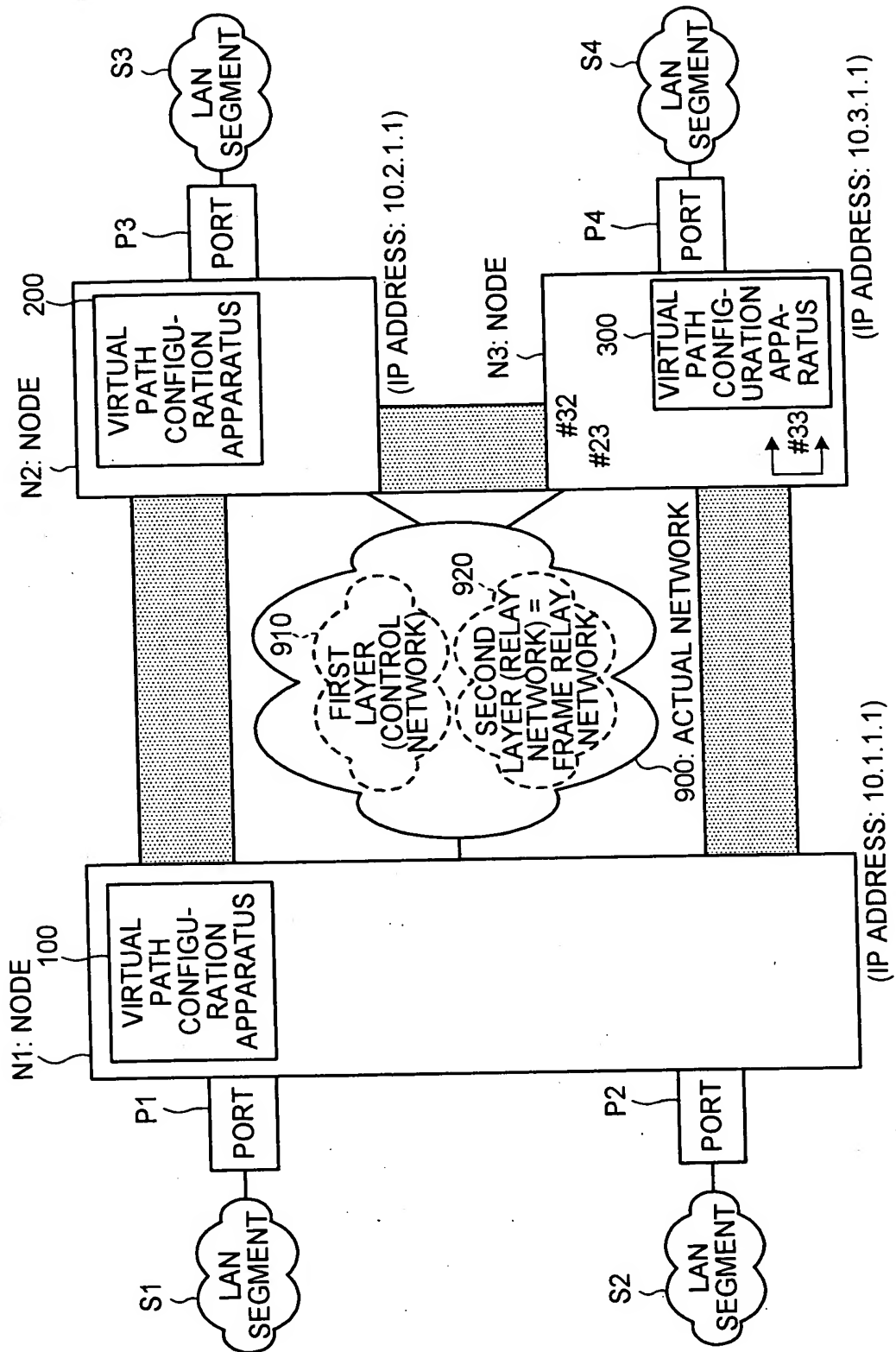


FIG. 27

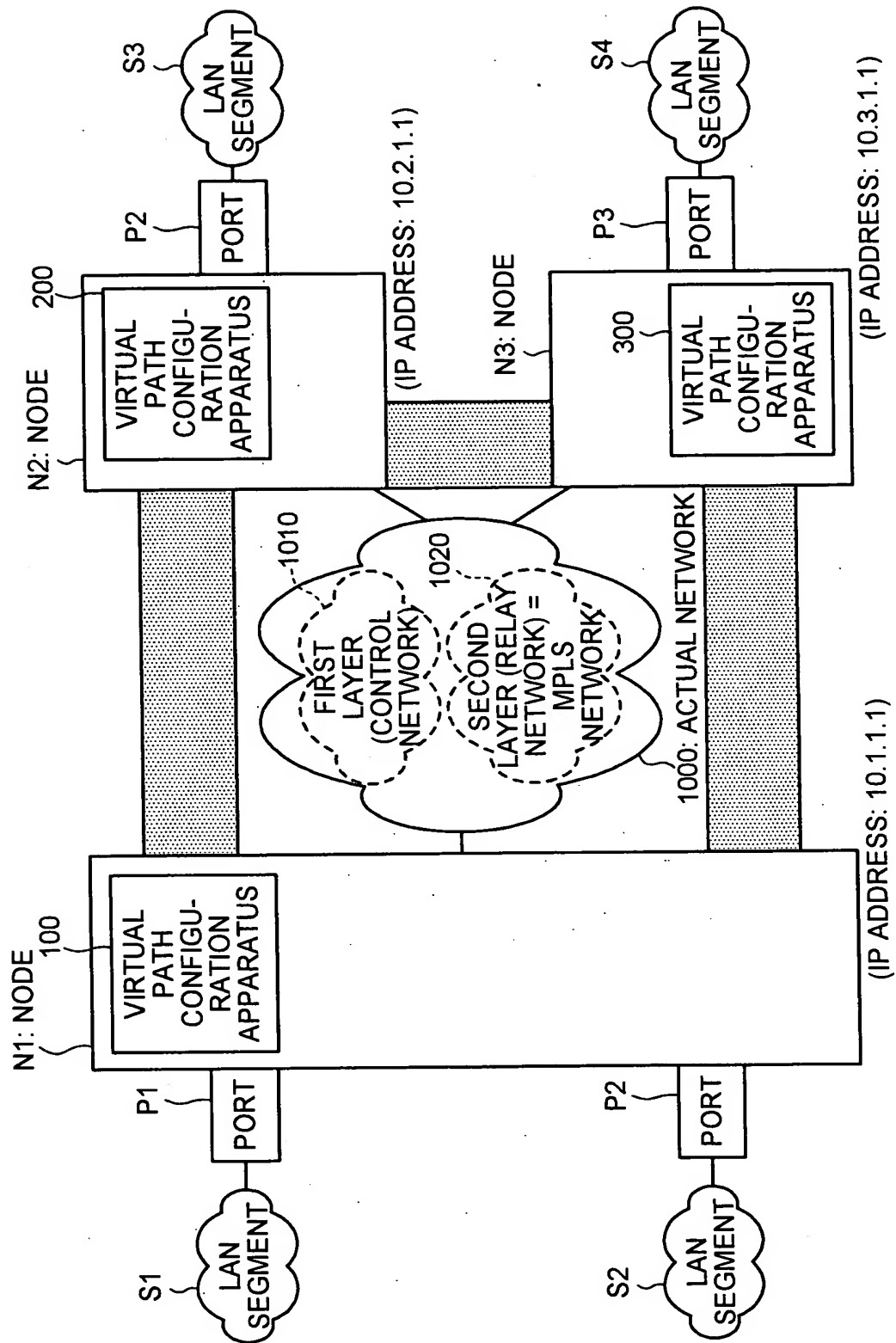


FIG.28

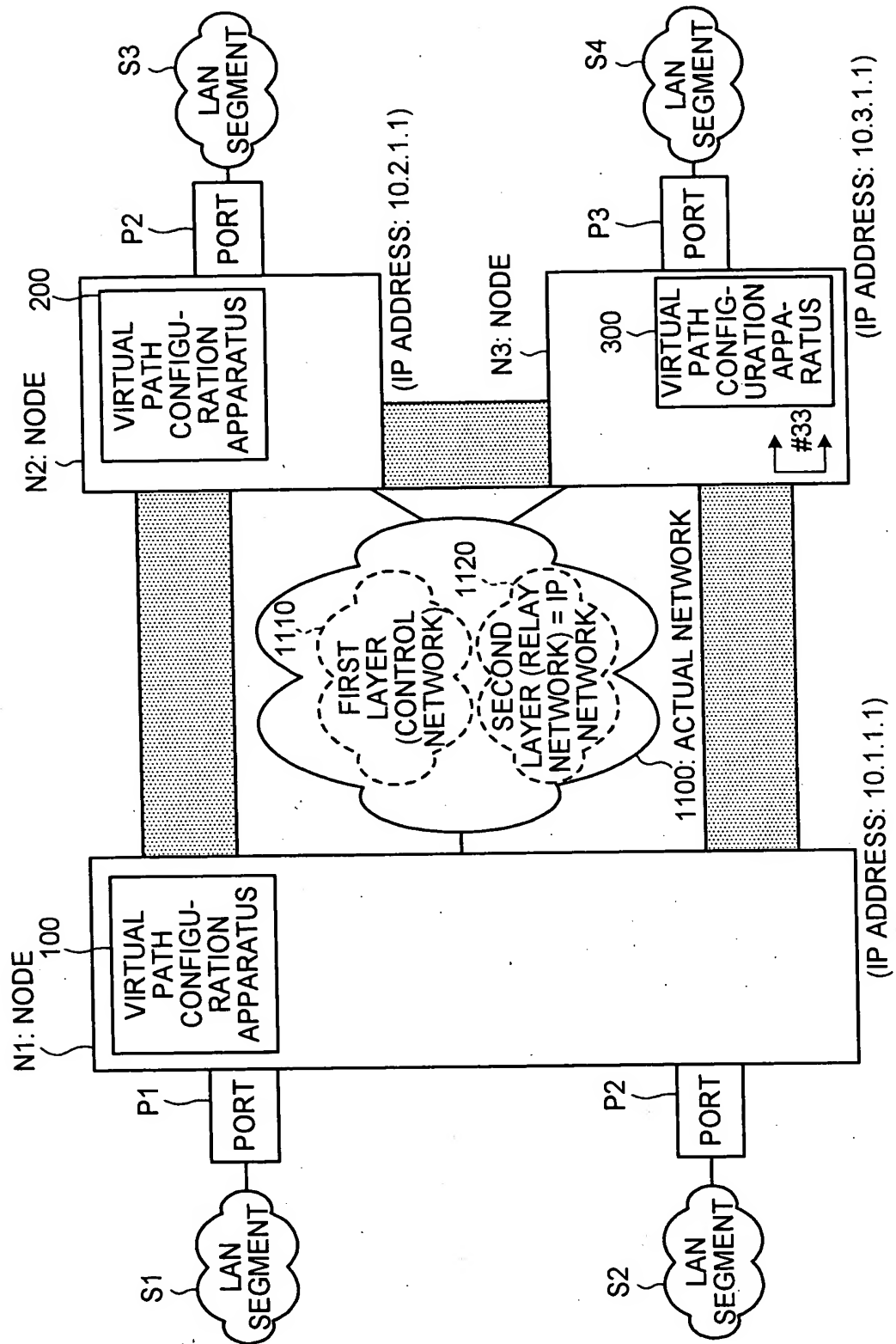


FIG. 29

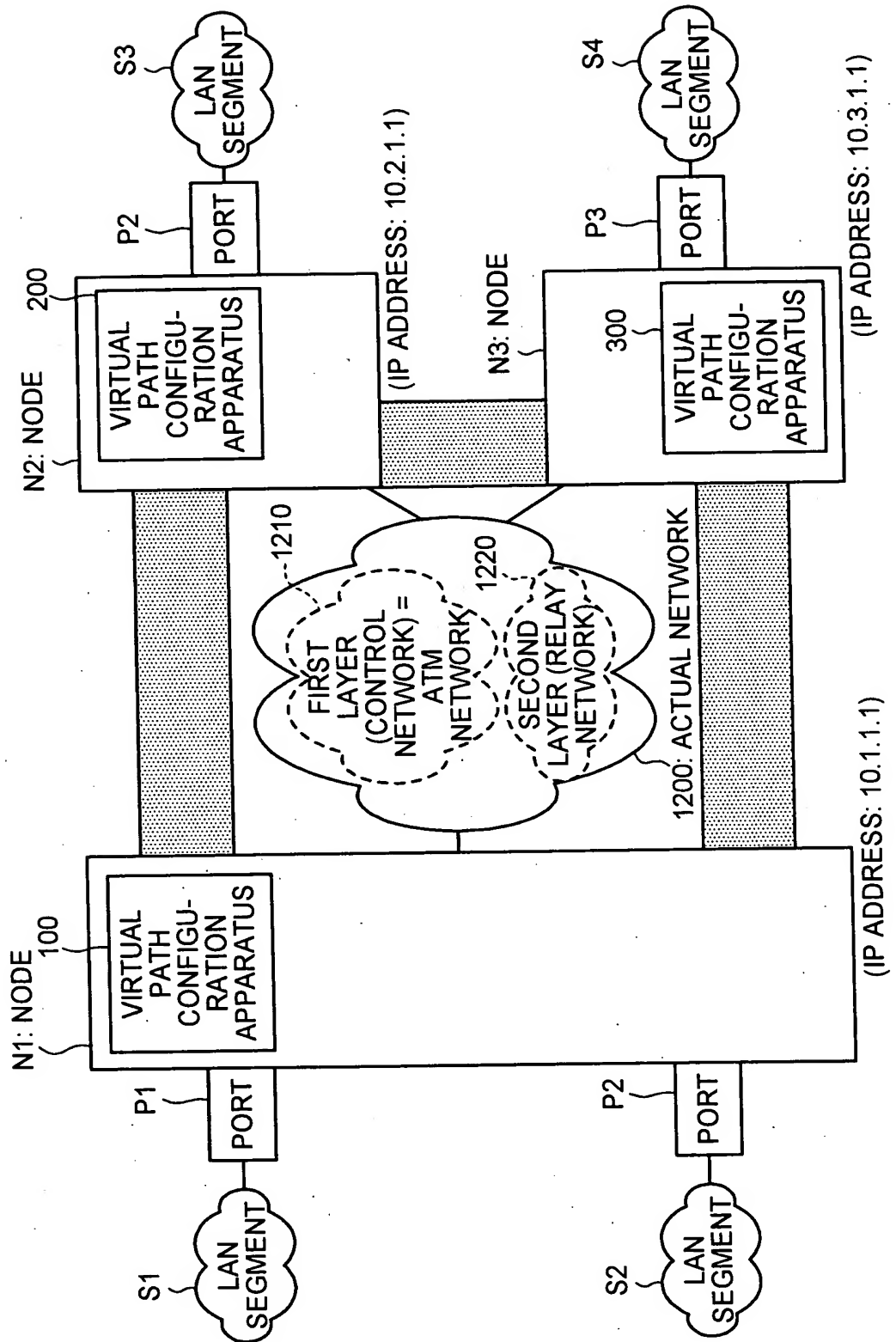


FIG. 30

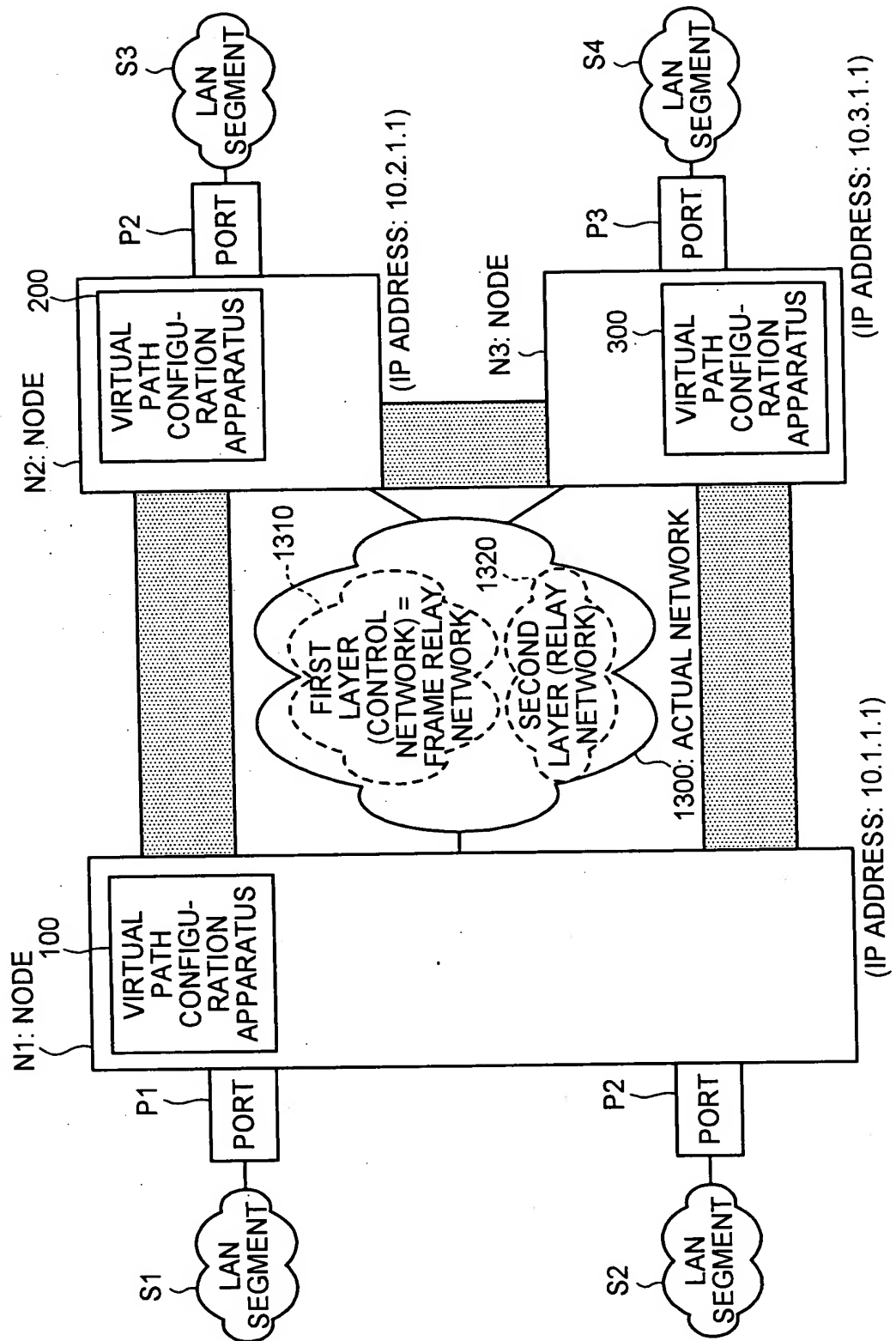


FIG. 31

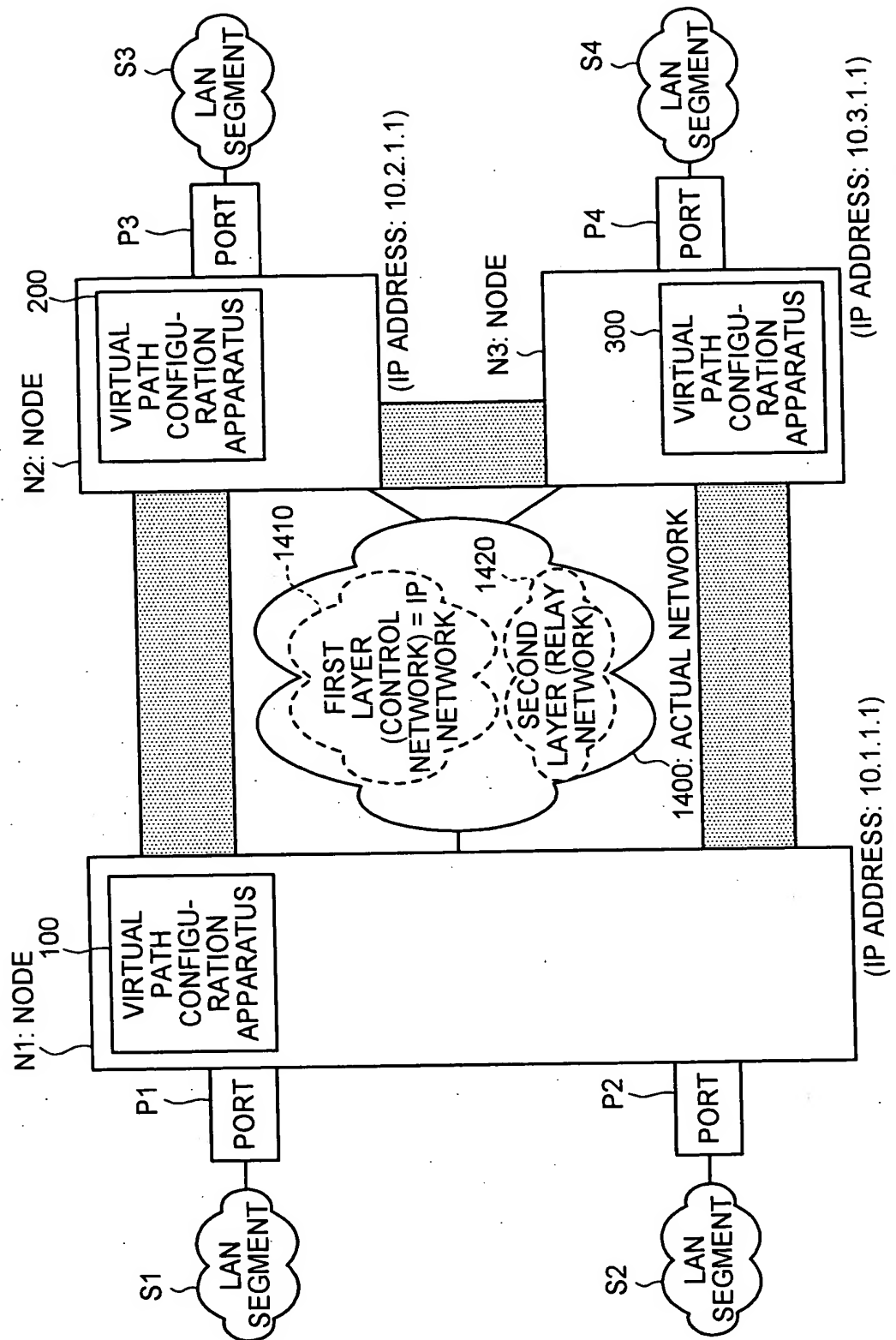


FIG. 32

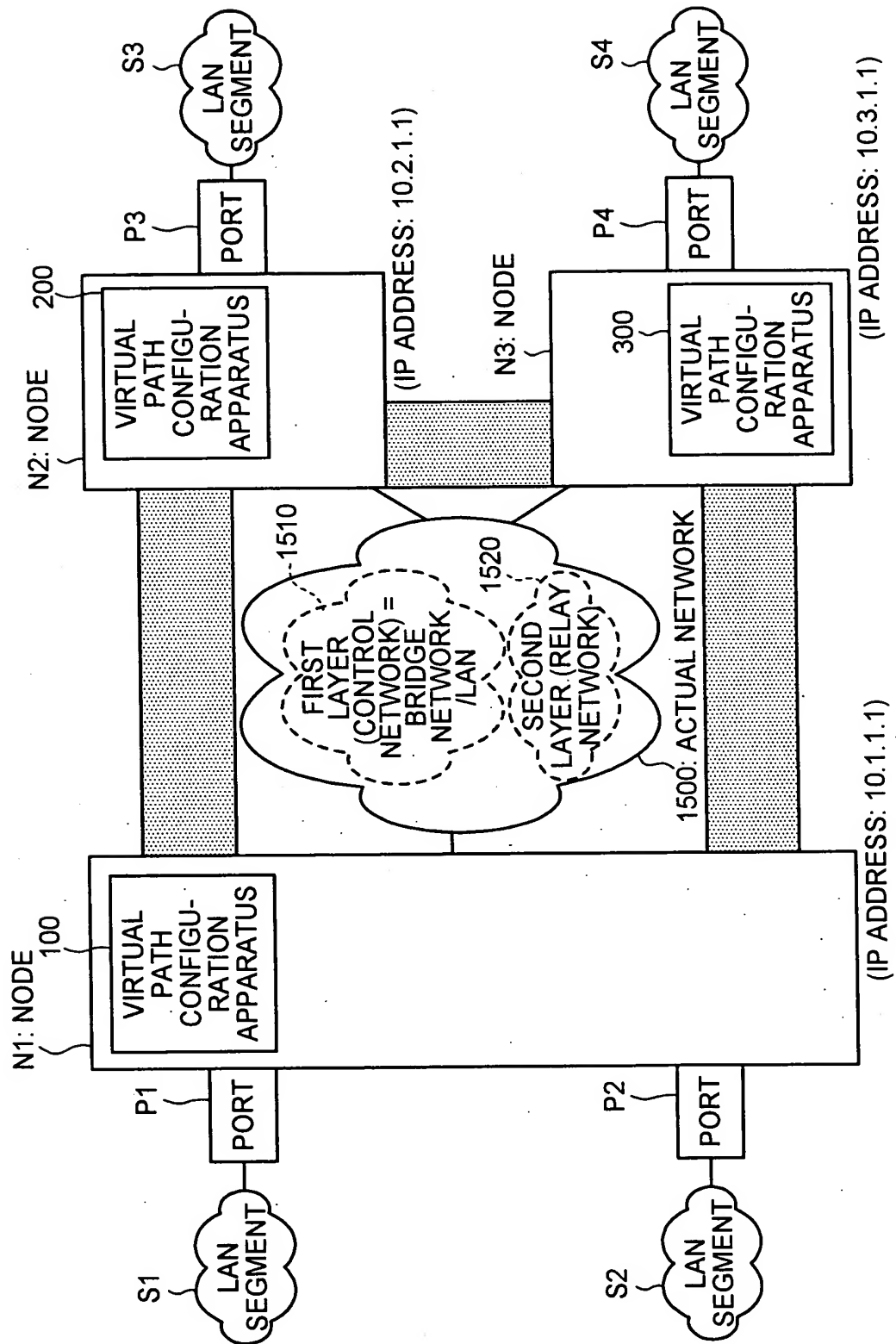


FIG.33

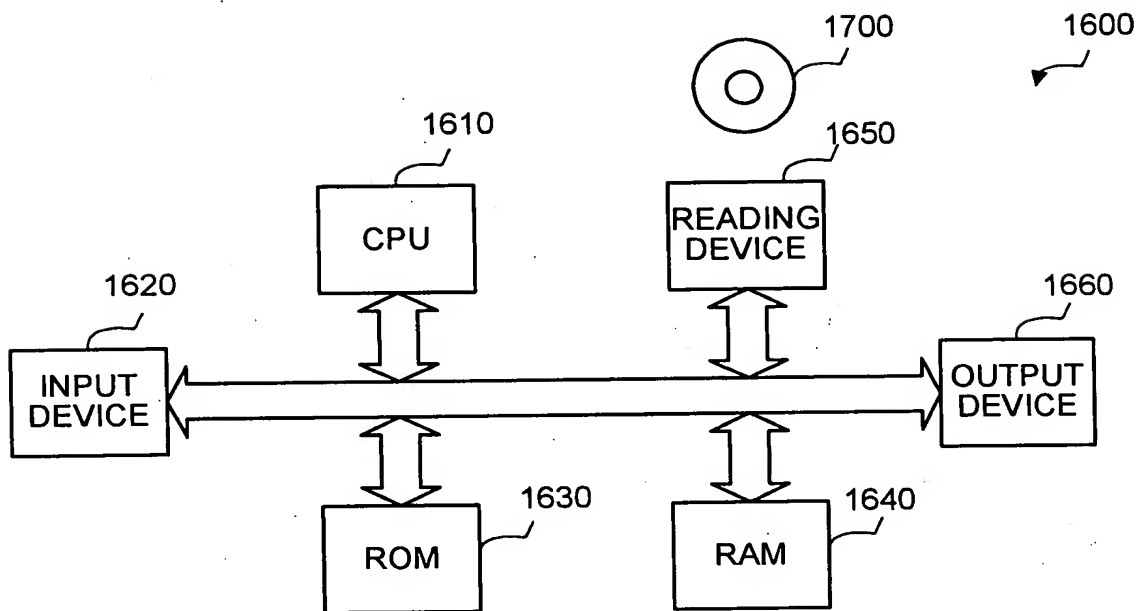
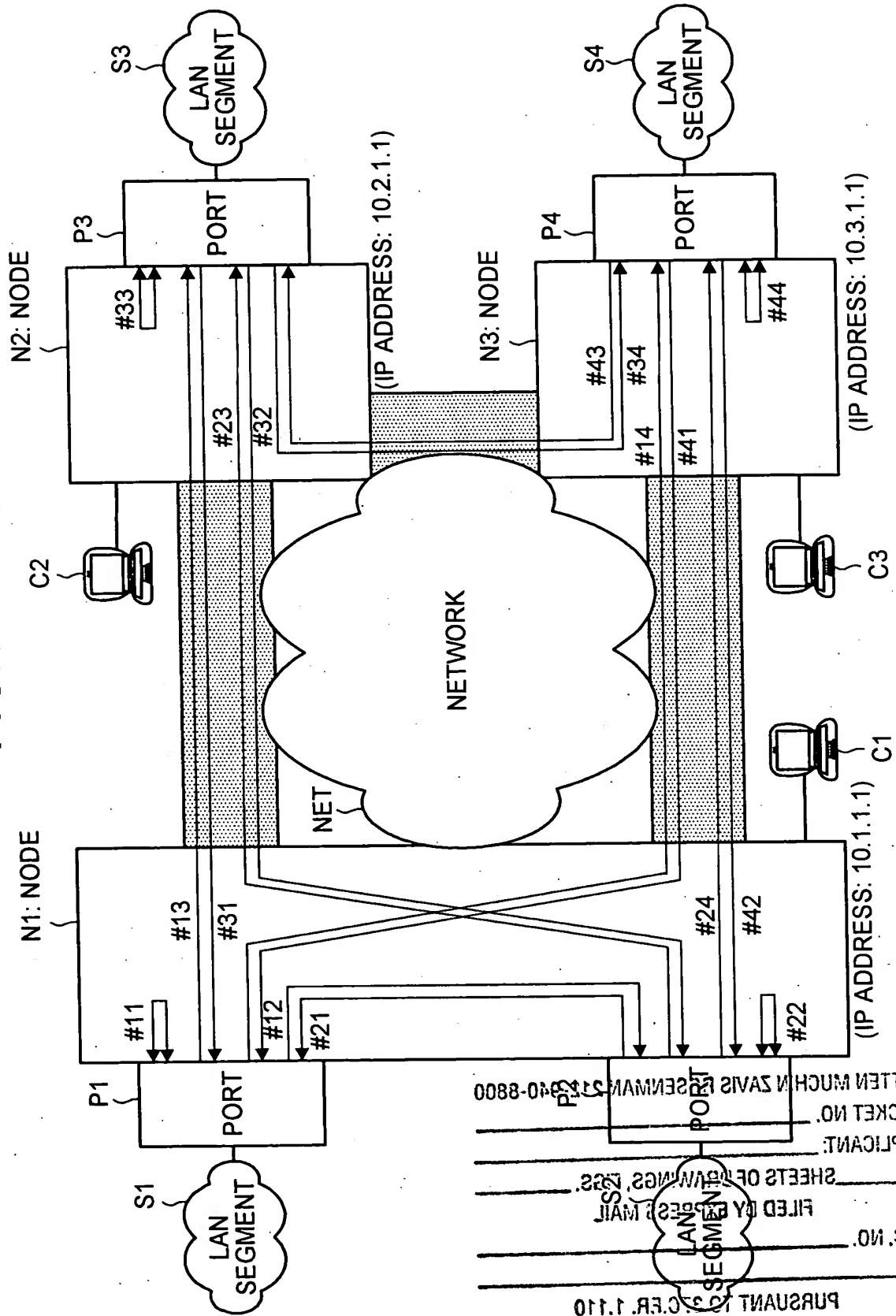


FIG. 34



BY
PURSUANT TO 35 C.F.R. 1.110
ON
REC. NO.
FILED BY E-MAIL
SHEETS OF DRAWINGS, 132
APPLICANT:
DOCKET NO.
KATTEN MACHIN ZAVIS INVENTOR
P2